(10/669,74) 7

Connecting via Winsock to STN

Welcome to STN International!   Enter x:x

LOGINID:SSSPTA1626RRW

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

NEWS 1   Web Page URLs for STN Seminar Schedule - N. America
NEWS 2   "Ask CAS" for self-help around the clock
NEWS 3   May 12   EXTEND option available in structure searching
NEWS 4   May 12   Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5   May 27   New UPM (Update Code Maximum) field for more efficient patent
                   SDIs in CAplus
NEWS 6   May 27   CAplus super roles and document types searchable in REGISTRY
NEWS 7   Jun 22   STN Patent Forums to be held July 19-22, 2004
NEWS 8   Jun 28   Additional enzyme-catalyzed reactions added to CASREACT
NEWS 9   Jun 28   ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
                   and WATER from CSA now available on STN(R)
NEWS 10   Jul 12   BEILSTEIN enhanced with new display and select options,
                   resulting in a closer connection to BABS

NEWS EXPRESS   MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS INTER   General Internet Information
NEWS LOGIN   Welcome Banner and News Items
NEWS PHONE   Direct Dial and Telecommunication Network Access to STN
NEWS WWW   CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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  * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 17:31:02 ON 21 JUL 2004

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND

command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                           ENTRY   SESSION
FULL ESTIMATED COST   0.21   0.21

FILE 'REGISTRY' ENTERED AT 17:31:20 ON 21 JUL 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 20 JUL 2004   HIGHEST RN 713489-00-0
DICTIONARY FILE UPDATES: 20 JUL 2004   HIGHEST RN 713489-00-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
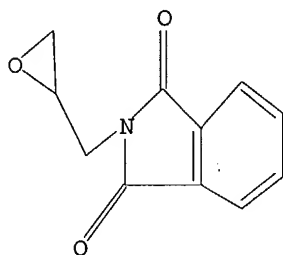http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10699743B.str

L1   STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1   STR

Structure attributes must be viewed using STN Express query preparation.

=> s L1 full
FULL SEARCH INITIATED 17:31:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   354 TO ITERATE

100.0% PROCESSED   354 ITERATIONS   74 ANSWERS
SEARCH TIME: 00.00.01

L2   74 SEA SSS FUL L1

=> file capulus
'CAPULUS' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'REGISTRY'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available. If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                 ENTRY   SESSION
FULL ESTIMATED COST   155.84   156.05

FILE 'CAPLUS' ENTERED AT 17:32:25 ON 21 JUL 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 21 Jul 2004 VOL 141 ISS 4
FILE LAST UPDATED: 20 Jul 2004 (20040720/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> s L1 full
   REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 17:32:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   354 TO ITERATE

100.0% PROCESSED   354 ITERATIONS   74 ANSWERS
SEARCH TIME: 00.00.01

L3   74 SEA SSS FUL L1

L4   256 L3

=> L3 and (process or prepar? or mak?)
L3 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s L3 and (proces? or prepar? or mak? or reaction)
          256 L3
      3262065 PROCES?
      1479740 PREPAR?
       554410 MAK?
      2712655 REACTION
L5   176 L3 AND (PROCES? OR PREPAR? OR MAK? OR REACTION)

=> s L3 and phthalimide
          256 L3
        14040 PHTHALIMIDE
L6   114 L3 AND PHTHALIMIDE

=> s L5 ad alkali metal
MISSING OPERATOR L5 AD
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s L5 and alkali and metal
       379783 ALKALI
      1503070 METAL
L7   6 L5 AND ALKALI AND METAL

=> s L1 amd epihalohydrin
   REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 17:36:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   20 TO ITERATE

100.0% PROCESSED   20 ITERATIONS   7 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS: 132 TO   668
PROJECTED ANSWERS: 7 TO   298

L8   7 SEA SSS SAM L1

L9   12 L8

MISSING OPERATOR L9 AMD
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s L1 and epihalohydrin
    REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 17:37:28 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   20 TO ITERATE

100.0% PROCESSED   20 ITERATIONS   7 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS: 132 TO   668
PROJECTED ANSWERS: 7 TO   298

L10   7 SEA SSS SAM L1

L11   12 L10

          1330 EPIHALOHYDRIN
L12   0 L11 AND EPIHALOHYDRIN

=> d L10
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L10   ANSWER 1 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
RN   608489-27-6 REGISTRY
CN   2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-
      propanediyl ester, polymer with [5,5'-biisobenzofuran]-1,1',3,3'-tetrone,
      9H-fluoren-9-ylidenebis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)]
      di-2-propenoate, 2-(oxiranylmethyl)-1H-isoindole-1,3(2H)-dione and
      3a,4,7,7a-tetrahydro-1,3-isobenzofurandione (9CI)   (CA INDEX NAME)
MF   (C37 H34 O8 . C16 H6 O6 . C15 H20 O6 . C11 H9 N O3 . C8 H8 O3)x
CI   PMS
PCT   Polyacrylic, Polyester, Polyester formed, Polyether, Polyether formed
SR   CA
LC   STN Files: CA, CAPLUS
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); USES (Uses)
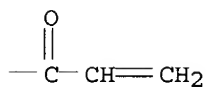
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      CRN 143182-97-2
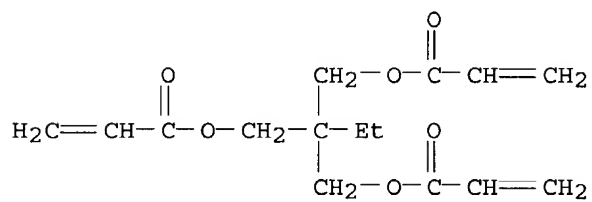   CMF C37 H34 O8

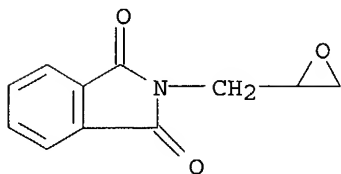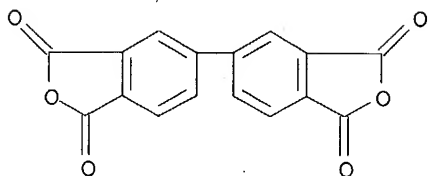PAGE 1-A

PAGE 1-B

CM 2

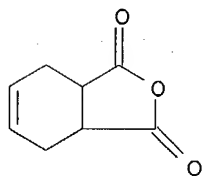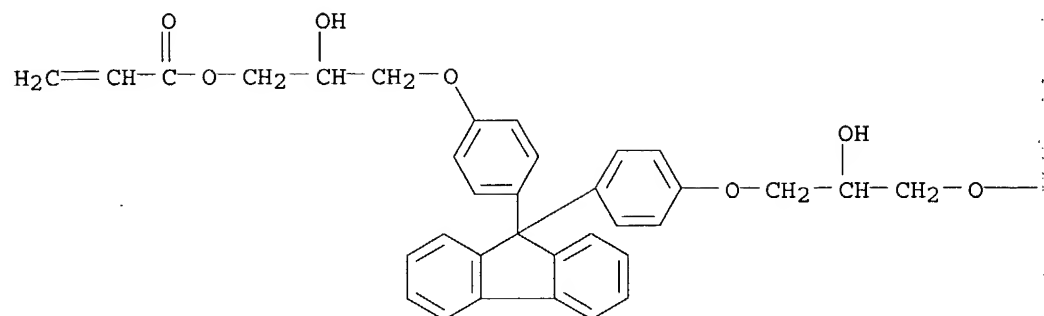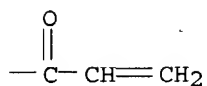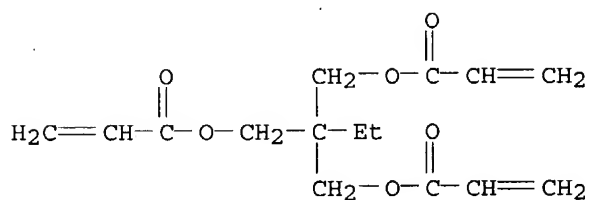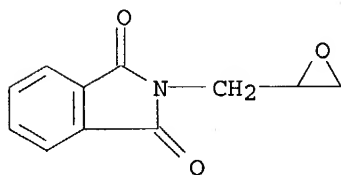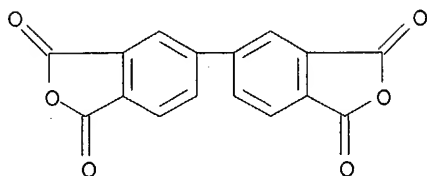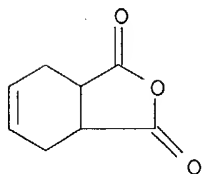CRN 15625-89-5
CMF C15 H20 O6

CM 3

CRN 5455-98-1
CMF C11 H9 N O3

CM   4

CRN   2420-87-3
CMF   C16 H6 O6

CM   5

CRN   85-43-8
CMF   C8 H8 O3

                1 REFERENCES IN FILE CA (1907 TO DATE)
                1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d L10 1-7
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L10   ANSWER 1 OF 7   REGISTRY   COPYRIGHT 2004 ACS on STN
RN   608489-27-6   REGISTRY
CN   2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-
      propanediyl ester, polymer with [5,5'-biisobenzofuran]-1,1',3,3'-tetrone,
      9H-fluoren-9-ylidenebis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)]
      di-2-propenoate, 2-(oxiranylmethyl)-1H-isoindole-1,3(2H)-dione and
      3a,4,7,7a-tetrahydro-1,3-isobenzofurandione (9CI)   (CA INDEX NAME)
MF   (C37 H34 O8 . C16 H6 O6 . C15 H20 O6 . C11 H9 N O3 . C8 H8 O3)x
CI   PMS
PCT   Polyacrylic, Polyester, Polyester formed, Polyether, Polyether formed
SR   CA
LC   STN Files: CA, CAPLUS
DT.CA   CAplus document type: Patent
RL.P   Roles from patents: PREP (Preparation); USES (Uses)

CM   1

CRN   143182-97-2
CMF   C37 H34 O8

PAGE 1-A

H₂C=CH-C(=O)-O-CH₂-CH(OH)-CH₂-O-[structure with fluorene and two para-phenylene rings]-O-CH₂-CH(OH)-CH₂-O-O—

PAGE 1-B

-C(=O)-CH=CH₂

CM   2

CRN   15625-89-5
CMF   C15 H20 O6

H₂C=CH-C(=O)-O-CH₂-C(Et)(CH₂-O-C(=O)-CH=CH₂)-CH₂-O-C(=O)-CH=CH₂

CM   3

CRN   5455-98-1
CMF   C11 H9 N O3

[Structure: phthalimide N-CH₂-epoxide (N-(2,3-epoxypropyl)phthalimide)]

CM   4

CRN   2420-87-3
CMF   C16 H6 O6

CM   5

CRN   85-43-8
CMF   C8 H8 O3

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10   ANSWER 2 OF 7   REGISTRY   COPYRIGHT 2004 ACS on STN
RN   136465-80-0   REGISTRY
CN   1H-Isoindole-1,3(2H)-dione, 2-[(1S)-1-(2S)-oxiranyl-2-phenylethyl]- (9CI)
      (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   1H-Isoindole-1,3(2H)-dione, 2-(1-oxiranyl-2-phenylethyl)-, [S-(R*,R*)]-
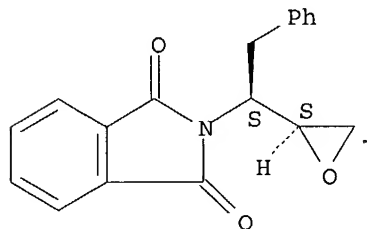FS   STEREOSEARCH
MF   C18 H15 N O3
SR   CA
LC   STN Files: CA, CAPLUS, CASREACT, PS, USPATFULL
DT.CA   CAplus document type: Journal; Patent
RL.P   Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
RL.NP   Roles from non-patents: BIOL (Biological study); PREP (Preparation);
        RACT (Reactant or reagent)

Absolute stereochemistry.   Rotation (-).

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT
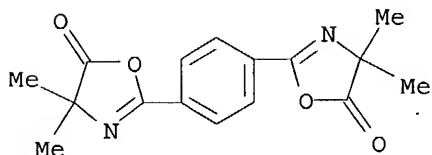
                    6 REFERENCES IN FILE CA (1907 TO DATE)
                    6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 3 OF 7   REGISTRY   COPYRIGHT 2004 ACS on STN
RN   124662-43-7 REGISTRY
CN   1H-Isoindole-1,3(2H)-dione, 2-(oxiranylmethyl)-, polymer with
     α-hydro-ω-hydroxypoly(oxy-1,4-butanediyl) and
     2,2'-(1,4-phenylene)bis[4,4-dimethyl-5(4H)-oxazolone] (9CI)   (CA INDEX
     NAME)
OTHER CA INDEX NAMES:
CN   5(4H)-Oxazolone, 2,2'-(1,4-phenylene)bis[4,4-dimethyl-, polymer with
     α-hydro-ω-hydroxypoly(oxy-1,4-butanediyl) and
     2-(oxiranylmethyl)-1H-isoindole-1,3(2H)-dione (9CI)
CN   Poly(oxy-1,4-butanediyl), α-hydro-ω-hydroxy-, polymer with
     2-(oxiranylmethyl)-1H-isoindole-1,3(2H)-dione and 2,2'-(1,4-
     phenylene)bis[4,4-dimethyl-5(4H)-oxazolone] (9CI)
MF   (C16 H16 N2 O4 . C11 H9 N O3 . (C4 H8 O)n H2 O)x
CI   PMS
PCT Polyether, Polyether formed, Polyother
SR   CA
LC   STN Files: CA, CAPLUS
DT.CA CAplus document type: Patent
RL.P   Roles from patents: PREP (Preparation); PROC (Process)

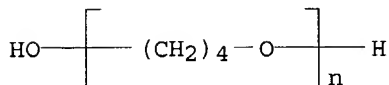   CM   1

     CRN 31578-05-9
     CMF C16 H16 N2 O4

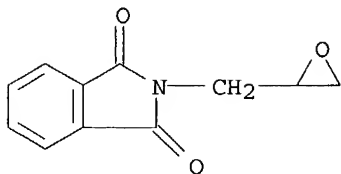   CM   2

     CRN 25190-06-1
     CMF (C4 H8 O)n H2 O
     CCI PMS

     CM   3

     CRN 5455-98-1
     CMF C11 H9 N O3

```
            1 REFERENCES IN FILE CA (1907 TO DATE)
            1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
```

L10   ANSWER 4 OF 7   REGISTRY   COPYRIGHT 2004 ACS on STN
RN   123256-11-1   REGISTRY
CN   5-Isobenzofurancarboxylic acid, 1,3-dihydro-1,3-dioxo-, polymer with
      2-(oxiranylmethyl)-1H-isoindole-1,3(2H)-dione and 1,1'-oxybis[4-
      isocyanatobenzene] (9CI)   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   1H-Isoindole-1,3(2H)-dione, 2-(oxiranylmethyl)-, polymer with
      1,3-dihydro-1,3-dioxo-5-isobenzofurancarboxylic acid and
      1,1'-oxybis[4-isocyanatobenzene] (9CI)
CN   Benzene, 1,1'-oxybis[4-isocyanato-, polymer with 1,3-dihydro-1,3-dioxo-5-
      isobenzofurancarboxylic acid and 2-(oxiranylmethyl)-1H-isoindole-1,3(2H)-
      dione (9CI)
MF   (C14 H8 N2 O3 . C11 H9 N O3 . C9 H4 O5)x
CI   PMS
PCT   Polyamic acid, Polyamic acid formed, Polyamide, Polyamide formed,
      Polyester, Polyester formed, Polyether, Polyether formed, Polyimide,
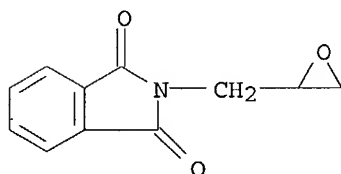   Polyimide formed
SR   CA
LC   STN Files: CA, CAPLUS
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)
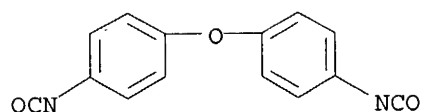
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      CRN   5455-98-1
      CMF   C11 H9 N O3
```



```
      CM    2

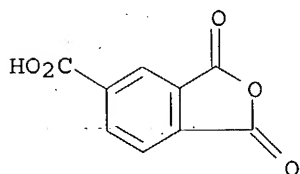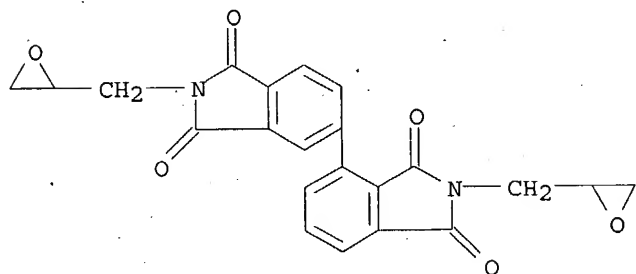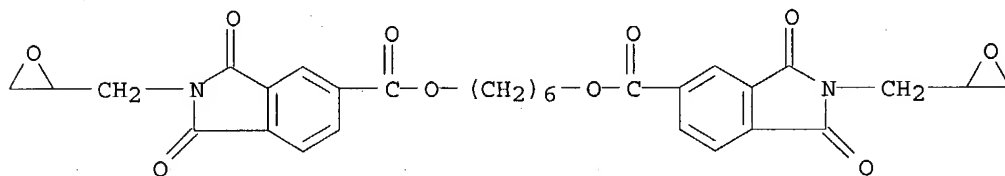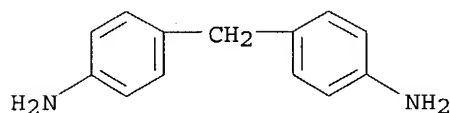      CRN   4128-73-8
      CMF   C14 H8 N2 O3
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CM   3

CRN   552-30-7
CMF   C9 H4 O5

        1 REFERENCES IN FILE CA (1907 TO DATE)
        1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10   ANSWER 5 OF 7   REGISTRY   COPYRIGHT 2004 ACS on STN
RN   121672-09-1   REGISTRY
CN   [4,5'-Bi-1H-isoindole]-1,1',3,3'(2H,2'H)-tetrone, 2,2'-bis(oxiranylmethyl)-
      , homopolymer (9CI)   (CA INDEX NAME)
MF   (C22 H16 N2 O6)x
CI   PMS
PCT   Epoxy resin, Polyimide
SR   CA
LC   STN Files: CA, CAPLUS
DT.CA CAplus document type: Patent
RL.P Roles from patents: USES (Uses)

      CM   1

      CRN   80292-11-1
      CMF   C22 H16 N2 O6

        1 REFERENCES IN FILE CA (1907 TO DATE)
        1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10   ANSWER 6 OF 7   REGISTRY   COPYRIGHT 2004 ACS on STN
RN   109798-00-7   REGISTRY

CN   1H-Isoindole-5-carboxylic acid, 2,3-dihydro-2-(oxiranylmethyl)-1,3-dioxo-,
      1,6-hexanediyl ester, polymer with 4,4'-methylenebis[benzenamine] (9CI)
      (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Benzenamine, 4,4'-methylenebis-, polymer with 1,6-hexanediyl
      bis[2,3-dihydro-2-(oxiranylmethyl)-1,3-dioxo-1H-isoindole-5-carboxylate]
      (9CI)
MF   (C30 H28 N2 O10 . C13 H14 N2)x
CI   PMS
PCT   Epoxy resin, Polyester, Polyimide, Polyother
SR   CA
LC   STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PROC (Process)

     CM   1

     CRN   107830-06-8
     CMF   C30 H28 N2 O10

     CM   2

     CRN   101-77-9
     CMF   C13 H14 N2

          1 REFERENCES IN FILE CA (1907 TO DATE)
          1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10   ANSWER 7 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
RN   107817-14-1 REGISTRY
CN   1H-Isoindole-5-carboxylic acid, 2,3-dihydro-2-(oxiranylmethyl)-1,3-dioxo-,
      1,2-ethanediyl ester (9CI) (CA INDEX NAME)
FS   3D CONCORD
MF   C26 H20 N2 O10
CI   COM
SR   CA
LC   STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

    1 REFERENCES IN FILE CA (1907 TO DATE)
    1 REFERENCES IN FILE CAPLUS (1907 TO DATE)